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Identification of Randall-Sundrum Graviton Resonances at Linear Colliders

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abstract We discuss several methods which can be used to distinguish the graviton resonances of the Randall-Sundrum model from the graviton-like resonances which may occur in other theories. The Breit-Wigner line shape of the RS graviton is found to be particularly useful. In particular we show that the “effective” graviton resonance present in the model of Dvali *et al.* can be distinguished from those of the Randall-Sundrum scenario for a reasonably wide range of model parameters.







